Panel schedule

120/240 V, 1-phase, 3-wire · 24 spaces

Odd circuits left, even right. A 2- or 3-pole breaker takes consecutive odd or even numbers.

Panel		**Location**		**Voltage**	120/240 V, 1-phase, 3-wire	**Main**	___ A main breaker / MLO
Bus rating		**AIC rating**		**Fed from**		**Mounting**	Surface / flush

Ckt	Description	Brkr A/P	VA	Ph	VA	Brkr A/P	Description	Ckt
1				**A**				2
3				**B**				4
5				**A**				6
7				**B**				8
9				**A**				10
11				**B**				12
13				**A**				14
15				**B**				16
17				**A**				18
19				**B**				20
21				**A**				22
23				**B**				24

Phase A	VA · A at 120 V	**Phase B**	VA · A at 120 V	**Total connected**	VA

Connected load only. Size feeders and services with an NEC Article 220 load calculation. Identify every circuit by its specific purpose (NEC 408.4(A)).

Panel schedule

120/240 V, 1-phase, 3-wire · 42 spaces

Odd circuits left, even right. A 2- or 3-pole breaker takes consecutive odd or even numbers.

Panel		**Location**		**Voltage**	120/240 V, 1-phase, 3-wire	**Main**	___ A main breaker / MLO
Bus rating		**AIC rating**		**Fed from**		**Mounting**	Surface / flush

Ckt	Description	Brkr A/P	VA	Ph	VA	Brkr A/P	Description	Ckt
1				**A**				2
3				**B**				4
5				**A**				6
7				**B**				8
9				**A**				10
11				**B**				12
13				**A**				14
15				**B**				16
17				**A**				18
19				**B**				20
21				**A**				22
23				**B**				24
25				**A**				26
27				**B**				28
29				**A**				30
31				**B**				32
33				**A**				34
35				**B**				36
37				**A**				38
39				**B**				40
41				**A**				42

Phase A	VA · A at 120 V	**Phase B**	VA · A at 120 V	**Total connected**	VA

Connected load only. Size feeders and services with an NEC Article 220 load calculation. Identify every circuit by its specific purpose (NEC 408.4(A)).

Panel schedule

208Y/120 V, 3-phase, 4-wire · 42 spaces

Odd circuits left, even right. A 2- or 3-pole breaker takes consecutive odd or even numbers.

Panel		**Location**		**Voltage**	208Y/120 V, 3-phase, 4-wire	**Main**	___ A main breaker / MLO
Bus rating		**AIC rating**		**Fed from**		**Mounting**	Surface / flush

Ckt	Description	Brkr A/P	VA	Ph	VA	Brkr A/P	Description	Ckt
1				**A**				2
3				**B**				4
5				**C**				6
7				**A**				8
9				**B**				10
11				**C**				12
13				**A**				14
15				**B**				16
17				**C**				18
19				**A**				20
21				**B**				22
23				**C**				24
25				**A**				26
27				**B**				28
29				**C**				30
31				**A**				32
33				**B**				34
35				**C**				36
37				**A**				38
39				**B**				40
41				**C**				42

Phase A	VA · A at 120 V	**Phase B**	VA · A at 120 V	**Phase C**	VA · A at 120 V	**Total connected**	VA

Connected load only. Size feeders and services with an NEC Article 220 load calculation. Identify every circuit by its specific purpose (NEC 408.4(A)).

Panel schedule

480Y/277 V, 3-phase, 4-wire · 42 spaces

Odd circuits left, even right. A 2- or 3-pole breaker takes consecutive odd or even numbers.

Panel		**Location**		**Voltage**	480Y/277 V, 3-phase, 4-wire	**Main**	___ A main breaker / MLO
Bus rating		**AIC rating**		**Fed from**		**Mounting**	Surface / flush

Ckt	Description	Brkr A/P	VA	Ph	VA	Brkr A/P	Description	Ckt
1				**A**				2
3				**B**				4
5				**C**				6
7				**A**				8
9				**B**				10
11				**C**				12
13				**A**				14
15				**B**				16
17				**C**				18
19				**A**				20
21				**B**				22
23				**C**				24
25				**A**				26
27				**B**				28
29				**C**				30
31				**A**				32
33				**B**				34
35				**C**				36
37				**A**				38
39				**B**				40
41				**C**				42

Phase A	VA · A at 277 V	**Phase B**	VA · A at 277 V	**Phase C**	VA · A at 277 V	**Total connected**	VA

Connected load only. Size feeders and services with an NEC Article 220 load calculation. Identify every circuit by its specific purpose (NEC 408.4(A)).

Panel schedule example

208Y/120 V, 3-phase, 4-wire · 42 spaces

Odd circuits left, even right. A 2- or 3-pole breaker takes consecutive odd or even numbers.

Panel	LP-1	**Location**	Electrical room 101	**Voltage**	208Y/120 V, 3-phase, 4-wire	**Main**	100 A main breaker
Bus rating	100 A	**AIC rating**	10,000 A	**Fed from**	MDP	**Mounting**	Surface

Ckt	Description	Brkr A/P	VA	Ph	VA	Brkr A/P	Description	Ckt
1	RTU-1	Nameplate/3	5,000	**A**	1,440	20/1	Receptacles (8)	2
3	RTU-1		5,000	**B**	1,260	20/1	Receptacles (7)	4
5	RTU-1		5,000	**C**	1,200	20/1	Sign	6
7	Water heater (4,500 W)	30/2	2,250	**A**	1,600	20/1	Lighting	8
9	Water heater		2,250	**B**	1,000	20/1	Lighting	10
11	Lighting	20/1	1,800	**C**	1,000	15/2	Unit heater (2,000 VA)	12
13	SPACE			**A**	1,000		Unit heater	14
15				**B**				16
17				**C**				18
19				**A**				20
21				**B**				22
23				**C**				24
25				**A**				26
27				**B**				28
29				**C**				30
31				**A**				32
33				**B**				34
35				**C**				36
37				**A**				38
39				**B**				40
41				**C**				42

Phase A	11,290 VA · 94.1 A	**Phase B**	9,510 VA · 79.3 A	**Phase C**	9,000 VA · 75.0 A	**Total connected**	29,800 VA

The worked example from sparkquote.ai/tools/panel-schedule-template: phase A is 13.7% above the average. Moving circuit 2 to circuit 18 (phase C) brings the worst phase to 5.1%. Size HVAC breakers to the nameplate maximum overcurrent protection.

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